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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,606	12/08/2003	Patrick J. Sweeney	029815-0105	4015
26371	7590	12/27/2005	EXAMINER	
FOLEY & LARDNER LLP 777 EAST WISCONSIN AVENUE SUITE 3800 MILWAUKEE, WI 53202-5308			GHERBI, SUZETTE JAIME J	
			ART UNIT	PAPER NUMBER
			3738	

DATE MAILED: 12/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- ## Status

- ## Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 9/20/05.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Applicant's amendment dated 9/20/05 has been received in application serial number 10/730,606. New claims 39 and 40 have been added.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3, 5-13, 15-18, 25-27, 30-33, 35-28, 40 are rejected under 35 U.S.C. 102(e) as being anticipated by Ganjiiانpour 6,716,250. The invention is understood, and as amended Ganjiiانpour discloses the invention as currently claimed comprising: a body (element 18) having a central canal (34); extending there through; a *head coupled to the body* (22) ; a shaft (26) coupled to the body and extending through the central canal *and a replacement shaft* (30 it is inherent that a screw has a head and a shaft/stem portion) wherein the shaft is *capable of being interchanged after implantation of the prosthesis by removing the shaft and replacing the shaft* (30) with a

replacement shaft without dislodging the body from the patient (all functional and capable of being performed by Ganjianpour); wherein the shaft is coupled to the body via insertion of the shaft through an end of the central canal nearest an articular surface of the prosthesis (the articular end is the surface of body/neck 19 see fig. 7 where a head can be attached); wherein the device is configured for a hip joint or shoulder joint (the device can be put into an animal of varying sizes to replace there shoulder joint); wherein the shaft is a nail; wherein the replacement shaft is longer than the shaft (see fig. 7 how it extends); wherein an insert is coupled to the body and extending at least partially into the central canal (read col. 7, lines 63-64 "groove shaft 26 inserted).

Claim Rejections - 35 USC § 103

4. Claims 3-4, 14, 28-29, 36-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ganjianpour in view of Pennig 5,375,956. Ganjianpour has been disclosed above however. Ganjianpour does not specify the term Morse. Ganjianpour does however have a tapered section that is coupled to the shaft (see col. 8, line 51-55). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide a Morse taper lock as claimed because the taper of Ganjianpour is tapered and the Morse taper is well known in the art (as admitted in applicants specification) and is a matter of design modification and thus not novel. Ganjianpour shaft has an unthreaded head recess. Pennig 5,375,956 as an example of modified screw with shaft and head and the tool used to removal. It is also obvious that

a “remover” such as screw driver device can be used to remove the shaft from the insert. If the head of the screw has threads than a threaded tool would be used to unscrew the device see Pennig 5,375,956 as an example of modified screw with shaft and head and the tool used to removal.

Response to Arguments

5. Applicant's arguments filed 9/20/05 have been fully considered but they are not persuasive. Applicant has amended the claims and contends that Ganjianpour does not anticipate the claims and that the locking screw of Ganjianpour is not construed as a shaft. The examiner disagrees and provides a broad definition of the term shaft which is not defined by the applicants specification. The definition of the term shaft is *a long narrow stem or body, a long thing object or part*. Ganjianpour does provide a shaft on the screw which is capable of the functions as claimed. Further element (26) also serves as a “shaft” and is coupled. Claim 11 has been amended with “*a shaft coupled to the body and configured to extend into a long bone of a patient*”. It is the examiners opinion that shaft (26) is capable of extending into a long bone because the shaft (26) as seen in figure 7 fits down within the stem part with fits into the long bone.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Art Unit: 3738

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

7. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suzette J. Jackson whose work schedule is Monday-Friday 9-6:30 off every other Friday and whose telephone number is 571-272-4751.

9. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306.

10. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0858.


Suzette J-J Gherbi
16 December 2005